SEA **Springfield Euro Auto** EXAMPLE SHOP
service@springfield-euro-auto.example

2010 Audi Q5 at 105,000 mi

WA1LKAFPXAA123456

MODEL / CHASSIS	ENGINE	MILEAGE	DRIVETRAIN
Q5 · 8R Q5 3.2 quattro	Audi 3.2L FSI V6 (direct injection)	105,000 mi	AWD (quattro)
BUILD MONTH	**REPORT DATE**	**MODE**	**PREPARED FOR**
Not entered (door jamb)	October 28, 2026	Shop	Sample Owner

VIN check: check digit valid; model-year code 'A' = 2010, matches the year entered. The VIN doesn't record the build month. Sample report: synthetic VIN.

1 · SUMMARY

What this car needs, in order

Each item compares this car's mileage with when owners and shops report the part failing. It is not an inspection: our technician decides what the car actually needs.

0
jobs recommended now

0
to plan in the next 30,000 miles · plus 2 factory maintenance items

3
to watch or check at each service

Safety recalls NHTSA lists for this model year (4)

- **18V-818** · Fuel system · fuel pump flange: Cars that got the interim fix (sealing tape) for a cracked fuel pump flange can still leak fuel, a fire risk; the final part is fitted free.
- **16V-660** · Fuel system · fuel pump flange: The fuel pump flange on top of the tank can crack and leak fuel, a fire risk.
- **18V-082** · Air bags · driver frontal: In a crash the driver air bag inflator can explode and throw metal fragments at the occupants.
- **16V-078** · Air bags · driver frontal: In a crash the driver air bag inflator can rupture and throw metal fragments at the occupants.

A model-year list, not a VIN check. Repairs are free at an Audi dealer if open. On a car over 15 years old, ask the dealer whether a newer recall is still repaired free. Check this VIN at nhtsa.gov/recalls.

Step 0 · Free: run the VIN at nhtsa.gov/recalls and ask an Audi dealer for a campaign printout, including 16V-660, 18V-818. Read the build month (MM/YY) on the driver's door-jamb label.

Recommended now at the next service

Good news: nothing on the 3.2 FSI V6 (AUK / BKH / CALA / CALB) watch list is due at this mileage. Worth a fresh look at about 115,000 mi.

Next 12 months up to about 117,000 mi

Nothing scheduled here.

Within the next 30,000 miles up to 135,000 mi

Nothing else enters its reported range in this window.

Watch inspect at each service, fix on condition, or optional

Timing chain stretch and tensioners (P0016) — **Ask us for a quote**

Any mileage (Higher-mileage engines; reported on A4, A6 and Q5 3.2) · Inspect at each service; fix at the first sign

Carbon in the secondary air ports (P0491 / P0492) — **$1,250**

Any mileage (Over 15,000 miles; 2009–2012 3.2L under Audi warranty bulletin AWA-13-07) · Inspect at each service; fix at the first sign

our price EXAMPLE

Intake runner flaps sticking (P2015) — **$480**

Any mileage (Higher-mileage engines) · Inspect at each service; fix at the first sign

our price EXAMPLE

Recommended now

No repairs due now

Springfield Euro Auto prices (example)

Planned through 135,000 mi

$478

Now + next 12 months + next 30,000 miles, with the factory maintenance on this report if the records don’t show it done. Excludes “watch” and optional items.

Prices are Springfield Euro Auto's estimates for typical parts and labor. They don't include tax, shop supplies or disposal fees, and may change after inspection or if part prices change. Not a written repair estimate: Springfield Euro Auto confirms the price and gets your OK before any work.

Bundled jobs are priced together because the labor overlaps. Routine service (oil, brakes, tires) isn't included; factory fluid and spark plug intervals are listed below.

FACTORY MAINTENANCE

Scheduled maintenance from 105,000 mi to 135,000 mi

The maker's normal schedule for this car. Service history isn't known here, so an item is shown at its next interval mark; skip it if the records show it was done.

ITEM	INTERVAL	THIS CAR	OUR PRICE
Spark plugs Audi lists the first replacement at 55,000 miles or 6 years.	every 6 years	**By time: check the records** [M1][M2][M3][M4]	**$329**
Brake fluid Audi: every 2 years regardless of mileage.	every 2 years	**By time: check the records** [M1][M3]	**$149**

M1. Bentley Publishers: Audi 2005 A4/S4 factory maintenance schedule SHOP/RETAILER
https://bentleypubs.atlassian.net/wiki/spaces/tech/pages/437453654

M2. Bentley Publishers: Audi 2007 A4/S4/RS4 factory maintenance schedule SHOP/RETAILER
https://bentleypubs.atlassian.net/wiki/spaces/tech/pages/437453629

M3. Bentley Publishers: Audi 2009 A5/S5/A4 factory maintenance schedule SHOP/RETAILER
https://bentleypubs.atlassian.net/wiki/spaces/tech/pages/437454629

M4. Bentley Publishers: Audi 2010 A6/S6 factory maintenance schedule SHOP/RETAILER
https://bentleypubs.atlassian.net/wiki/spaces/tech/pages/437454618

WHERE 105K SITS FOR EACH WEAK POINT

#	WEAK POINT	REPORTED RANGE	THIS CAR
1	Timing chain stretch and tensioners (P0016)	Higher-mileage engines; reported on A4, A6 and Q5 3.2 FORUM/BLOG	Any mileage
2	Carbon in the secondary air ports (P0491 / P0492)	Over 15,000 miles; 2009–2012 3.2L under Audi warranty bulletin AWA-13-07 OFFICIAL	Any mileage
3	Intake runner flaps sticking (P2015)	Higher-mileage engines FORUM/BLOG	Any mileage

Colors compare mileage with reported failures, not the car's condition. Red: past the range. Amber: inside or approaching. Green: below, or not listed for a recall.

2 · RECALLS AND BULLETINS

Recalls to check for this 2010 Audi Q5

Safety recall repairs are free at Audi dealers. On a car over 15 years old, ask the dealer whether a newer recall is still repaired free. Nothing here can tell whether a recall is open or already done on this VIN; only the official VIN lookup or a dealer can.

Official VIN check (2 minutes)

1. Go to nhtsa.gov/recalls and enter WA1LKAFPXAA123456.
2. Note every recall shown as “Recall incomplete” and keep a screenshot.
3. Ask an Audi dealer for a campaign printout; it also lists completed campaigns.

3.2 FSI V6 (AUK / BKH / CALA / CALB) RECALLS WE TRACK

16V-660 · Fuel pump flange can crack and leak (2009–2012 Q5) NHTSA lists this model and year: check by VIN

The fuel pump flange on gasoline Q5 and Q7 models may crack and leak fuel, a fire risk. Free repair. OFFICIAL [8]

☐ VIN checked ☐ Open: booked with dealer ☐ Completed (printout kept)

18V-818 · Final fuel pump flange repair (2009–2012 Q5) NHTSA lists this model and year: check by VIN

Cars that got the interim fix (butyl tape) under 16V-660 get the final replacement part. Free repair. OFFICIAL [8]

☐ VIN checked ☐ Open: booked with dealer ☐ Completed (printout kept)

EVERY RECALL NHTSA LISTS FOR THE 2010 AUDI Q5 (4)

RECALL	COMPONENT	WHAT CAN HAPPEN (NHTSA, SHORTENED)
18V-818 3.2 FSI V6 (AUK / BKH / CALA / CALB) tracked	Fuel system · fuel pump flange	Cars that got the interim fix (sealing tape) for a cracked fuel pump flange can still leak fuel, a fire risk; the final part is fitted free. Details
16V-660 3.2 FSI V6 (AUK / BKH / CALA / CALB) tracked	Fuel system · fuel pump flange	The fuel pump flange on top of the tank can crack and leak fuel, a fire risk. Details
18V-082	Air bags · driver frontal	In a crash the driver air bag inflator can explode and throw metal fragments at the occupants. Details
16V-078	Air bags · driver frontal	In a crash the driver air bag inflator can rupture and throw metal fragments at the occupants. Details

Source: NHTSA recalls API, fetched 2026-10-28 and combined across NHTSA model names: Q5. Safety categories (air bags, fire, brakes, stalling, roll-away and loss of control) are listed first; listings whose NHTSA text names another engine, or an aftermarket part, go last. OFFICIAL

Left out of this list (Q5): All four recalls apply to the 2010 Q5; 16V-660 / 18V-818 cover gasoline Q5s (this 3.2 included).

SERVICE ACTIONS, BULLETINS AND WARRANTY PROGRAMS

CAMPAIGN	WHAT IT SAYS	THIS CAR
Secondary air ports cleaning warranty extension (AWA-13-07)	Cleaning covered to 10 years / 120,000 miles on 2009–2012 3.2L cars; ask a dealer by VIN. OFFICIAL [3]	Ended for most cars

4 · THE 3 WEAK POINTS

Each weak point, one card each

Every figure carries its source. Retailer part numbers are shown only when the retailer lists them for this chassis (8R).

1 Timing chain stretch and tensioners (P0016)

Any mileage

Severity: Critical: rare, but can badly damage the engine · 6 mentions in counted NHTSA complaints

COMPUTED FROM NHTSA DATA

Reports cover a wide mileage span (Higher-mileage engines; reported on A4, A6 and Q5 3.2), so mileage doesn't say much here. Range: Higher-mileage engines; reported on A4, A6 and Q5 3.2 FORUM/BLOG [2]

WHAT FAILS FORUM/BLOG [2]

The 3.2 FSI drives its camshafts with chains at the back of the engine. A stretched chain or worn tensioners set P0016 (camshaft and crankshaft out of step), often with a 1–3 second rattle at cold start. The fix is a full chain, tensioner and guide job, which needs the engine out on most models.

SYMPTOMS

- Check-engine light with P0016 or P0017
- Rattle for a few seconds at cold start
- Rough running

IF IT'S LEFT TOO LONG

A chain that jumps a tooth can cause serious engine damage.

IS IT WORTH DOING EARLY? OUR ESTIMATE

Read the cam timing values and act on P0016 early; do not keep driving with a loud chain.

ESTIMATED REPAIR COST

No published price for an early check	**Our price is in the plan above** ask us for a written quote
Full timing chain job, engine out (reported range, A4 3.2)	**$4,000–$8,000** FORUM/BLOG [2] reported range for the bill after a failure

PARTS FOR 8R

- Ask your parts supplier for the OE part number for this VIN.

QUESTIONS TO ASK US

- Any P0016 or cold-start rattle?
- Timing chains ever replaced?

2 Carbon in the secondary air ports (P0491 / P0492)

Any mileage

Severity: Medium: leaks and wear · 2 mentions in counted NHTSA complaints

COMPUTED FROM NHTSA DATA

Reports cover a wide mileage span (Over 15,000 miles; 2009–2012 3.2L under Audi warranty bulletin AWA-13-07), so mileage doesn't say much here. Range: Over 15,000 miles; 2009–2012 3.2L under Audi warranty bulletin AWA-13-07 OFFICIAL [3][4]

WHAT FAILS OFFICIAL [3][4]

ESTIMATED REPAIR COST

Carbon builds up in the secondary air ports in the cylinder heads and restricts flow, so both P0491 and P0492 set and the check-engine light comes on. Audi extended coverage for the cleaning to 10 years or 120,000 miles on 2009–2012 3.2L cars; that coverage has now run out on every car.

SYMPTOMS

- Check-engine light with P0491 and P0492 together

IF IT'S LEFT TOO LONG

Fails an emissions inspection; no damage to the engine reported by Audi.

IS IT WORTH DOING EARLY? OUR ESTIMATE

Clean the ports by Audi's procedure before an emissions test.

Labor only, secondary air port cleaning, 2009–2011 Q5 (parts retailer guide)	**Our price is in the plan above** ask us for a written quote
No published bill	**No published price** reported range for the bill after a failure

PARTS FOR 8R

- Ask your parts supplier for the OE part number for this VIN.

QUESTIONS TO ASK US

- Any P0491/P0492?
- Ports cleaned under the extension?

---

3 Intake runner flaps sticking (P2015)

Any mileage

Severity: Medium: leaks and wear · 8 mentions in counted NHTSA complaints
COMPUTED FROM NHTSA DATA

Reports cover a wide mileage span (Higher-mileage engines), so mileage doesn't say much here. Range: Higher-mileage engines FORUM/BLOG [5]

WHAT FAILS FORUM/BLOG [5][7]

Because this is a direct-injection engine, fuel never washes the intake side, so carbon builds up and the intake runner flaps can stick. The vacuum actuator that moves them can also fail. The engine sets P2015 and may lose some low-speed power.

SYMPTOMS

- Check-engine light with P2015
- Slight loss of low-speed power
- Rough idle

IF IT'S LEFT TOO LONG

Mostly a driveability and emissions problem.

IS IT WORTH DOING EARLY? OUR ESTIMATE

Diagnose the actuator and flaps; clean carbon or replace the manifold as needed.

ESTIMATED REPAIR COST

Intake manifold runner control replacement, A6 average	**Our price is in the plan above** ask us for a written quote
Same job; a full manifold or carbon cleaning costs more	**$464** SHOP/RETAILER [6] reported range for the bill after a failure

PARTS FOR 8R

- Ask your parts supplier for the OE part number for this VIN.

QUESTIONS TO ASK US

- Any P2015?
- Intake manifold or actuator replaced?

5 · ALSO REPORTED, NOT RANKED

Other themes in 3.2 FSI V6 (AUK / BKH / CALA / CALB) owner complaints

Every NHTSA complaint theme with 10 or more counted reports is either a weak point above or explained here.

THEME	COMPLAINTS	WHY IT ISN'T A WEAK POINT
Transmission	30	Counts all transmission complaints (Tiptronic, multitronic, manual); not an engine fault.
Fuel pump / fuel leak	27	Includes the Q5 fuel pump flange recalls 16V-660 / 18V-818; check they are done.
Stalling / loss of power	24	Mixed causes in the complaint text; not one engine fault.

How this report is built

Inputs. VIN, model year, model, mileage and build month (if entered). Model and engine are checked with NHTSA's vPIC decoder.

Mileage positions. Below: more than 10,000 miles before the reported range. Approaching: within 10,000. Inside: in the range, or past the start of an open-ended range. Past: beyond the top of the range. These bands are our rules, not an industry standard.

The plan. Critical items inside or past their range go first; high-severity items follow, and jobs that share labor are bundled. At most three jobs land in “Recommended now”. Leaks that are cheap to watch are fixed on condition; inspections are asked for at each service.

Costs. Published independent-shop ranges from shop quotes, retailer prices and owner reports. Shop prices come from the issuing shop. The worst-case cost of every item failing is not shown: it isn't an expected cost.

Labels. `OFFICIAL` NHTSA/Audi documents · `SHOP/RETAILER` parts prices and shop articles · `FORUM/BLOG` owner forums and blogs · `COMPUTED FROM NHTSA DATA` our analysis of NHTSA data · `OUR ESTIMATE` ours.

NHTSA complaint data. Pulled Oct 27, 2026 from NHTSA's complaints API for 2005–2008 A6, 2008–2009 A5 and 2009–2010 Q5 complaints that do not name another engine; 2006–2009 A4 and 2009–2011 A6/A5, 2011–2012 Q5 complaints that name the 3.2: 436 complaints. Some of these nameplates were sold with other engines too. For some we kept only complaints whose text names this engine (which under-counts); for others we left out complaints that name another engine or a hybrid (so a few about other engines can remain). Themes are keyword matches on the complaint text.
`COMPUTED FROM NHTSA DATA`

THEME	COMPLAINTS	IN THIS REPORT
Transmission	30	Also reported
Fuel pump / fuel leak	27	Also reported
Stalling / loss of power	24	Also reported
Intake flaps / carbon	8	Item 3
Timing chain / cam timing	6	Item 1
Secondary air	2	Item 2

Limits: complaints are self-reported and not adjusted for cars sold; keyword matching over- and under-counts; owners rarely file safety complaints about oil seeps, so leaks look rarer than they are.

SOURCES

1. NHTSA owner complaints for 2005–2011 A6, 2006–2009 A4, 2008–2011 A5 and 2009–2012 Q5 complaints for the 3.2 V6 (A6 2005–2008, A5 2008–2009 and Q5 2009–2010 unless another engine is named; later years only when the 3.2 is named), pulled Oct 27, 2026 (ODI numbers in the cost notes) `OFFICIAL`
https://www.nhtsa.gov/report-a-safety-problem#complaints

2. Go-Parts: P0016 on the Audi A4 2009–2012 3.2L FSI (stretched timing chain and tensioners) `FORUM/BLOG`
https://www.go-parts.com/garage/obd-p0016-audi-a4-2009-2012-3-2l-fsi

3. Audi Warranty bulletin AWA-13-07: Engine cylinder head secondary air ports (carbon buildup removal) limited warranty extension to 10 years / 120,000 miles, 2009–2012 3.2L and 2009–2013 3.0T (2013-08-14), filed with NHTSA `OFFICIAL`
https://static.nhtsa.gov/odi/tsbs/2013/MC-10124621-9999.pdf

4. Audi Technical Service Bulletin 01 19 02: MIL on, DTC P0491 and P0492 stored at the same time (secondary air ports carbon), 3.2 FSI AVS and 3.0 TFSI (2019-01-25), filed with NHTSA `OFFICIAL`
https://static.nhtsa.gov/odi/tsbs/2019/MC-10155651-9999.pdf

5. Go-Parts: P2015 on the Audi A4 2008–2012 3.2L V6 (intake runner flaps sticking from carbon, vacuum actuator failure) `FORUM/BLOG`
https://www.go-parts.com/garage/obd-p2015-audi-a4-2008-2012-3-2l-v6

6. YourMechanic: Audi A6 intake manifold runner control replacement estimate, via search extract Oct 27, 2026 `SHOP/RETAILER`
https://www.yourmechanic.com/estimates/audi/a6/intake-manifold-runner-control-replacement

7. Audi Technical Service Bulletin 01 15 14: Deposits on intake valves, intake manifold, fuel injectors and combustion chambers from fuel with low detergent content (2015-03-09), filed with NHTSA OFFICIAL
https://static.nhtsa.gov/odi/tsbs/2015/MC-10119940-9999.pdf

8. NHTSA recall records: 16V-660 and 18V-818 (2009–2012 Q5 fuel pump flange), checked Oct 27, 2026 OFFICIAL
https://www.nhtsa.gov/recalls?nhtsaId=16V660000

9. Go-Parts (parts retailer guide): P0492 on 2009–2011 Audi Q5, secondary air port cleaning, via search extract Oct 28, 2026 SHOP/RETAILER
https://www.go-parts.com/garage/obd-p0492-audi-q5-2009-2011

This report contains no affiliate links; retailer prices are quoted as price sources only. Found an error? Email hello@repairahead.com.

PLEASE READ

Important

Based on public records and published repair costs. Not a diagnosis or a guarantee. Your technician's inspection decides what your car needs. Confirm recalls with a dealer using your VIN.

Informational only. This report is not a mechanical inspection, a diagnosis, or professional, legal or financial advice. It was issued by Springfield Euro Auto using RepairAhead data; the inspection findings and prices are the shop's.

Reported ranges and estimates, not predictions

Failure mileages are reported ranges compiled from public owner complaints, manufacturer bulletins, recalls and repair-shop reports. Costs are estimates. Parts can fail earlier, later or not at all, and other problems can occur. Statistics from owner complaints describe past reports to NHTSA; NHTSA has not reviewed or endorsed this analysis.

Safety issues go to a dealer

If you notice overheating, a burning or fuel smell, smoke, a brake-assist problem, stalling or loss of power, pull over when it's safe and contact an Audi dealer or qualified shop. Safety recall repairs are free at Audi dealers. Confirm recalls for this VIN at nhtsa.gov/recalls.

No warranty

Provided “as is”, without warranties of any kind, under the Terms of Use at repairahead.com/terms.

Trademarks and independence

Not affiliated with AUDI AG or Audi of America. Audi and model names are trademarks of AUDI AG, used only to identify vehicles.

Based on public records and published repair costs. Not a diagnosis or a guarantee. Your technician's inspection decides what your car needs. Confirm recalls with a dealer using your VIN.